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FORM X-17A-5
PART III

UNITEDSTATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SEC FILE NUMBER

8- 51646

FACING PAGE

Information Required of Brokers and Dealers Pursuant to Section 17 of the Securities Exchange Act of 1934 and Rule 17a-5 Thereunder

| REPORT FOR THE PERIOD BEGINNING | 1/01/07 | AND ENDING | 12/31/07 |
|---|--|---------------------|------------------------------|
| | MM/DD/YY | | MM/DD/YY |
| A. REC | ISTRANT IDENTIFI | CATION | in the second second |
| NAME OF BROKER-DEALER: Teleme | try Securities, L. | L.C. | OFFICIAL USE ONLY |
| ADDRESS OF PRINCIPAL PLACE OF BUS | INESS: (Do not use P.O. I | Box No.) | FIRM I.D. NO. |
| 111 8th Avenue | | | |
| | (No. and Street) | | |
| New York, | New Yo | rk ' | 10011 |
| (City) | (State) | (Z | ip Code) |
| NAME AND TELEPHONE NUMBER OF PI Mr. James Phillips | RSON TO CONTACT IN | REGARD TO THIS REPO | ORT (212) 425-9700 |
| | | (, | Area Code – Telephone Number |
| B. ACC | OUNTANT IDENTIF | CATION | |
| INDEPENDENT PUBLIC ACCOUNTANT v Grant Thornton LLP | whose opinion is contained in the contai | | <u> </u> |
| 60 Broad Street | New York | N.Y. | 10004 |
| (Address) | (City) | (State) | (Zip Code) |
| CHECK ONE: | | PR | OCESSED |
| Certified Public Accountant | | ∽ M | AR 2 4 2008 |
| Public Accountant | | V/ J | |
| Accountant not resident in Uni | ted States or any of its poss | | HUIVISON INANCIAL |
| | FOR OFFICIAL USE C | NLY | |
| | | | |
| | | | |
| | T | | |

*Claims for exemption from the requirement that the annual report be covered by the opinion of an independent public accountant must be supported by a statement of facts and circumstances relied on as the basis for the exemption. See Section 240.17a-5(e)(2)



OATH OR AFFIRMATION

| I, James Phillips | , swear (or affirm) that, to the best of | |
|---|---|--|
| my knowledge and belief the accompa Telemetry Securi | mying financial statement and supporting schedules pertaining to the firm of ties, L.L.C. | |
| of December 31 | 2007 , are true and correct. I further swear (or affirm) that | |
| , | proprietor, principal officer or director has any proprietary interest in any account | |
| | | |
| DENNIS A. CURLEY Notary Public, State of New Y No. 01CU6006698 Qualified in Otteens County Gommission Street May 4, 28 Notary Public | Signature | |
| (f) Statement of Changes in Liabil (g) Computation of Net Capital. (h) Computation for Determination (i) Information Relating to the Policy (j) A Reconciliation, including ap Computation for Determination (k) A Reconciliation between the consolidation. (l) An Oath or Affirmation. (m) A copy of the SIPC Supplement | tholders' Equity or Partners' or Sole Proprietors' Capital. lities Subordinated to Claims of Creditors. In of Reserve Requirements Pursuant to Rule 15c3-3. In or Control Requirements Under Rule 15c3-3. In propriate explanation of the Computation of Net Capital Under Rule 15c3-1 and the nof the Reserve Requirements Under Exhibit A of Rule 15c3-3. In addited and unaudited Statements of Financial Condition with respect to methods of | |

^{**}For conditions of confidential treatment of certain portions of this filing, see section 240.17a-5(e)(3).

STATEMENT OF FINANCIAL CONDITION AND REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

TELEMETRY SECURITIES, L.L.C. (a Delaware limited liability company)

December 31, 2007

SEC Mail Processing

MAR 03 2008

Washington, DC 110

REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

To the Member of Telemetry Securities, L.L.C.

We have audited the accompanying statement of financial condition of Telemetry Securities, L.L.C. (a Delaware limited liability company) (the "Company") as of December 31, 2007. The statement of financial condition is the responsibility of the Company's management. Our responsibility is to express an opinion on the statement of financial condition based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America as established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement of financial condition is free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statement referred to above presents fairly, in all material respects, the financial position of Telemetry Securities, L.L.C. as of December 31, 2007 in conformity with accounting principles generally accepted in the United States of America.

GRANT THORNTON LLP

New York, New York February 28, 2008

60 Broad Street
25th Floor
New York, NY 10004
T 212.422.1000
F 212.422.0144
W www.grantthornton.com

STATEMENT OF FINANCIAL CONDITION

December 31, 2007

ASSETS

| Securities owned, at market value (C Receivable from clearing broker Other | Cost \$11,606,913) | \$11,500,172 70,220,815 <u>36,432</u> |
|---|--|---|
| Total assets | | \$ <u>81,757,419</u> |
| | BILITIES AND MEMBER'S EQUITY | |
| Liabilities Securities sold, but not yet purcha Withdrawals payable Accounts payable and accrued ex | sed, at market value (Proceeds \$11,089,054) penses | \$11,484,009 12,250,000 125,660 |
| Total liabilities | | 23,859,669 |
| Member's equity | | <u>57,897,750</u> |
| Total liabilities and | member's equity | \$ <u>81,757,419</u> |

The accompanying notes are an integral part of this statement.

NOTES TO STATEMENT OF FINANCIAL CONDITION

December 31, 2007

NOTE A - ORGANIZATION AND BUSINESS

Telemetry Securities, L.L.C., a Delaware limited liability company (the "Company") is a broker-dealer registered with the Securities and Exchange Commission ("SEC") and is a member of the American Stock Exchange, Inc. ("ASE"). The Company was established for the purpose of engaging in proprietary trading activities using strategies on a global basis in the form of trading in domestic and foreign securities and other financial instruments.

The Company's manager is Telemetry Investments, L.L.C. ("Investment Manager"). The Company's member, during the year ended December 31, 2007, was Telemetry Fund I, L.P. ("L.P."). The investment objectives and restrictions of the L.P. apply to the Company as if those investments were made directly by the L.P. Their loss is limited to the amount of their investment.

The Company shall continue until December 31, 2030 unless otherwise sooner dissolved or extended by Telemetry Investments, L.L.C. in its capacity as managing member of the Company.

As the Company clears all transactions through another broker-dealer, it is exempt from the provisions of SEC Rule 15c3-3 in that the Company's activities are limited to those set forth in the conditions for exemption appearing in paragraph (k)(2)(ii) of that rule.

NOTE B - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Securities Transactions

Securities transactions are recorded on a trade-date basis. The Company's functional currency is U.S. dollars. Securities traded on foreign exchanges in other currencies are valued by translating foreign-denominated prices into U.S. dollars, based upon quoted exchange rates as of December 31, 2007.

NOTES TO STATEMENT OF FINANCIAL CONDITION (continued)

December 31, 2007

NOTE B (continued)

Securities Owned and Securities Sold, But Not Yet Purchased

The Company values securities owned and securities sold, but not yet purchased that are listed on a national securities exchange or quoted on NASDAQ at the last sale price on the primary exchange on which such securities are traded or NASDAQ or, if no sale occurs, such security will be valued at the last "bid" price, or, in the case of short positions, at the last "ask" price. Over-the-counter securities not quoted on NASDAQ will be valued at the last "bid" price on that date, or, in the case of short positions, at the last "ask" price; however, if the Company's Manager in good faith determines that the last sale price does not reflect the fair value of any security, such security shall be valued at the arithmetic average of the last "bid" and last "ask" price. A security traded in the non-U.S. markets will normally be valued on the basis of the closing price quoted in its principal market.

Receivable From Clearing Broker

Receivable from clearing broker includes cash held at the clearing broker, Merrill Lynch Professional Clearing Corporation (the "Clearing Broker"). Substantially all of the Company's cash and securities are held with the Clearing Broker. The Clearing Broker provides the Company with securities borrowed transactions to cover delivery requirements on short securities in exchange for deposits held at the Clearing Broker.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

NOTE C - NET CAPITAL REQUIREMENT

As a registered broker-dealer, the Company is subject to Uniform Net Capital Rule 15c3-1 of the SEC, which requires that the Company maintain minimum net capital, as defined, of \$100,000 or 6-2/3% of aggregate indebtedness, as defined, whichever is greater. Net capital and aggregate indebtedness change from day to day, but as of December 31, 2007, the Company had net capital of \$54,844,947, which exceeded its requirement of \$825,044 by \$54,019,903. At December 31, 2007, the Company's ratio of aggregate indebtedness to net capital was .23.

NOTES TO STATEMENT OF FINANCIAL CONDITION (continued)

December 31, 2007

NOTE C (continued)

The capital rules of the SEC and the ASE provide that equity capital may not be withdrawn or cash distributions paid if resulting net capital would be less than the minimum requirements. Additionally, the capital rules of the SEC and ASE also provide that the

the minimum requirements. Additionally, the capital rules of the SEC and ASE also provide that the Company must promptly notify the SEC and the ASE about the withdrawal(s) of equity capital assuming such withdrawal(s) exceed(s) certain percentages of the Company's excess net capital.

Proprietary accounts held at the Clearing Broker ("PAIB assets") are considered allowable assets in the computation of net capital pursuant to an agreement between the Company and the Clearing Broker which requires, among other things, that the Clearing Broker perform a computation of PAIB assets similar to the customer reserve computation set forth in Rule 15c3-3.

NOTE D - CAPITAL ACCOUNT

The capital account is comprised of initial and subsequent contributions less any withdrawals made during the period. The Investment Manager of the Company may admit additional members or capital contributions on the first day of each fiscal quarter or at such time as the Investment Manager in its discretion sees fit. Each member has the right to withdraw, within 45 days of giving prior written notice to the Investment Manager, its Capital Account Balance, as defined, from the Company effective as of June 30 or December 31 of any fiscal year occurring on or after the first anniversary of the initial capital contribution.

At December 31, 2007, the Company had pending capital withdrawals of \$12,250,000, which were paid during 2008.

NOTE E - FINANCIAL INSTRUMENTS WITH OFF-BALANCE-SHEET RISK AND CONCENTRATIONS OF CREDIT RISK

In the normal course of business, the Company uses various financial instruments as part of its strategies to meet its investment objectives. The execution, settlement and financing of these transactions may result in off-balance-sheet risk or concentration of credit risk.

The Company may be exposed to a risk of loss not reflected in the statement of financial condition for securities sold, but not yet purchased, should the value of such securities rise. The Company's principal activities are subject to the risk of counterparty nonperformance.

STATEMENT OF FINANCIAL CONDITION AND REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

TELEMETRY SECURITIES, L.L.C. (a Delaware limited liability company)

December 31, 2007

SEC Mail Processing Section MAR 03 2008 Washington, DC

REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

To the Member of Telemetry Securities, L.L.C.

We have audited the accompanying statement of financial condition of Telemetry Securities, L.L.C. (a Delaware limited liability company) (the "Company") as of December 31, 2007. The statement of financial condition is the responsibility of the Company's management. Our responsibility is to express an opinion on the statement of financial condition based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America as established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement of financial condition is free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statement referred to above presents fairly, in all material respects, the financial position of Telemetry Securities, L.L.C. as of December 31, 2007 in conformity with accounting principles generally accepted in the United States of America.

New York, New York

GRANT THURNTON LLP

February 28, 2008

STATEMENT OF FINANCIAL CONDITION

December 31, 2007

ASSETS

| Securities owned, at market value (Cost \$11,606,913) Receivable from clearing broker Other | \$11,500,172 70,220,815 36,432 | | |
|---|--|--|--|
| Total assets | \$ <u>81.757.419</u> | | |
| LIABILITIES AND MEMBER'S EQUITY | | | |
| Liabilities Securities sold, but not yet purchased, at market value (Proceeds \$11,089,054) Withdrawals payable Accounts payable and accrued expenses | \$11,484,009 12,250,000 <u>125,660</u> | | |
| Total liabilities | 23,859,669 | | |
| Member's equity | 57,897,750 | | |
| Total liabilities and member's equity | \$ <u>81,757,419</u> | | |

The accompanying notes are an integral part of this statement.

NOTES TO STATEMENT OF FINANCIAL CONDITION

December 31, 2007

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NOTES TO STATEMENT OF FINANCIAL CONDITION (continued)

December 31, 2007

NOTE B (continued)

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NOTES TO STATEMENT OF FINANCIAL CONDITION (continued)

December 31, 2007

NOTE C (continued)

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